RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/510,408_

Source: _PCT/10_

Date Processed by STIC: _10/16/04_

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 10/16/2004
PATENT APPLICATION: US/10/510,408   TIME: 11:49:07

Input Set : **N:\FATIMA\10510408.txt**
Output Set: **N:\CRF4\10162004\J510408.raw**

```
 3 <110> APPLICANT: Jorgensen, Steen Troels
 4         Olsen, Peter Bjarke
 5         Andersen, Jens Tonne
 6         Rasmussen, Michael Dolberg
 8 <120> TITLE OF INVENTION: Improved Bacillus Host Cell
10 <130> FILE REFERENCE: 10295.204-US
12 <140> CURRENT APPLICATION NUMBER: US/10/510,408
12 <141> CURRENT FILING DATE: 2004-10-05
12 <160> NUMBER OF SEQ ID NOS: 191
14 <170> SOFTWARE: PatentIn version 3.3
```

C--> 12 `<140>` **CURRENT APPLICATION NUMBER: US/10/510,408**
C--> 12 `<141>` **CURRENT FILING DATE: 2004-10-05**

ERRORED SEQUENCES

```
20286 <210> SEQ ID NO: 191
20287 <211> LENGTH: 781
20288 <212> TYPE: PRT
20289 <213> ORGANISM: Bacillus licheniformis
20291 <400> SEQUENCE: 191
20293 Met Ala Lys Arg Lys Arg Lys Ser Thr Lys Lys Gln Lys Gln Gly Lys
20294 1               5                   10                  15
20297 Lys Arg Ile His Leu Lys Phe Glu Leu Tyr Gly Leu Ile Cys Ile Ala
20298             20                  25                  30
20301 Ile Ser Ile Ile Ala Val Leu Gln Leu Gly Val Ala Gly Gln Thr Phe
20302         35                  40                  45
20305 Ile Tyr Met Phe Arg Phe Phe Ala Gly Glu Trp Phe Ile Leu Cys Leu
20306     50                  55                  60
20309 Leu Gly Leu Phe Leu Thr Gly Leu Ser Leu Phe Trp Lys Lys Lys Thr
20310 65                  70                  75                  80
20313 Pro Ser Phe Leu Thr Arg Arg Lys Ala Gly Leu Tyr Cys Ile Ile Ala
20314             85                  90                  95
20317 Ser Met Leu Leu Leu Ser His Val Gln Leu Phe Gln His Leu Thr Glu
20318             100                 105                 110
20321 Arg Gly Met Val Gln Ser Pro Ser Val Ile Gln Asn Thr Trp Glu Leu
20322         115                 120                 125
20325 Phe Leu Met Asp Val Lys Gly Glu Thr Gly Ser Pro Asp Leu Gly Gly
20326     130                 135                 140
20329 Gly Met Ile Gly Ala Leu Leu Phe Ala Ala Ser Tyr Phe Leu Phe Ala
20330 145                 150                 155                 160
20333 Ser Ala Gly Ser Lys Ile Ile Ala Val Phe Leu Ile Leu Ile Gly Leu
20334             165                 170                 175
20337 Leu Leu Ile Thr Asp Arg Ser Leu Gln Glu Thr Leu Ile Lys Trp Met
20338             180                 185                 190
```

P.3

RAW SEQUENCE LISTING   DATE: 10/16/2004
PATENT APPLICATION: US/10/510,408   TIME: 11:49:08

Input Set : N:\FATIMA\10510408.txt
Output Set: N:\CRF4\10162004\J510408.raw

```
20341 Thr Pro Val Ala Ser Phe Met Lys Asn Gln Trp Gln Ala Phe Leu Ala
20342         195             200             205
20345 Asp Leu Lys Gln Leu Lys Asn Ser Ser Pro Lys Lys Lys Ser Gly Lys
20346         210             215             220
20349 Lys Gln Lys Thr Gln Arg Lys Pro Lys Val Ser Glu Glu Pro Val Gln
20350 225             230             235             240
20353 Glu Ala Asp Leu Asp Pro Asp Pro Val Ile Gln Ser Glu Pro Ile Ile
20354         245             250             255
20357 Ser Ser Phe Ser Asp Arg Asp Glu Lys Pro Glu Val Gln Ala Tyr Glu
20358         260             265             270
20361 Ala Pro Ala Ala Pro Ala Glu Pro Pro Ala Glu Pro Glu Ile Gly Glu
20362         275             280             285
20365 Glu Met Gln Ala Ser Gly Ala Pro Glu Ile Thr Phe Thr Glu Leu Glu
20366         290             295             300
20369 Asn Lys Asp Tyr Gln Leu Pro Ser Ile Gln Leu Leu Asp Asp Pro Lys
20370 305             310             315             320
20373 His Thr Gly Gln Gln Ala Asp Lys Lys Asn Ile Tyr Asp Asn Ala Arg
20374         325             330             335
20377 Lys Leu Glu Arg Thr Phe Gln Ser Phe Gly Val Lys Ala Lys Val Thr
20378         340             345             350
20381 Gln Val His Leu Gly Pro Ala Val Thr Lys Tyr Glu Val Tyr Pro Asp
20382         355             360             365
20385 Val Gly Val Lys Val Ser Lys Ile Val Asn Leu Ser Asp Asp Leu Ala
20386         370             375             380
20389 Leu Ala Leu Ala Ala Lys Asp Ile Arg Ile Glu Ala Pro Ile Pro Gly
20390 385             390             395             400
20393 Lys Ser Ala Ile Gly Ile Glu Val Pro Asn Ala Glu Val Ala Met Val
20394         405             410             415
20397 Ser Leu Lys Glu Val Leu Glu Ser Lys Leu Asn Asp Arg Pro Asp Ala
20398         420             425             430
20401 Lys Leu Met Ile Gly Leu Gly Arg Asn Ile Ser Gly Glu Ala Val Leu
20402         435             440             445
20405 Ala Glu Leu Asn Lys Met Pro His Leu Leu Val Ala Gly Ala Thr Gly
20406         450             455             460
20409 Ser Gly Lys Ser Val Cys Val Asn Gly Ile Ile Thr Ser Ile Leu Met
20410 465             470             475             480
20413 Arg Ala Lys Pro His Glu Val Lys Met Met Met Ile Asp Pro Lys Met
20414         485             490             495
20417 Val Glu Leu Asn Val Tyr Asn Gly Ile Pro His Leu Leu Ala Pro Val
20418         500             505             510
20421 Val Thr Asp Pro Lys Lys Ala Ser Gln Ala Leu Lys Lys Val Val Asn
20422         515             520             525
20425 Glu Met Glu Arg Arg Tyr Glu Leu Phe Ser His Thr Gly Thr Arg Asn
20426         530             535             540
20429 Ile Glu Gly Tyr Asn Asp Tyr Ile Lys Arg Met Asn Ala Ala Glu Glu
20430 545             550             555             560
20433 Ala Lys Gln Pro Glu Leu Pro Tyr Ile Ile Val Ile Val Asp Glu Leu
20434         565             570             575
20437 Ala Asp Leu Met Met Val Ala Ser Ser Asp Val Glu Asp Ser Ile Thr
```

```
20438                580                585                590
20441 Arg Leu Ser Gln Met Ala Arg Ala Ala Gly Ile His Leu Ile Ile Ala
20442         595                600                605
20445 Thr Gln Arg Pro Ser Val Asp Val Ile Thr Gly Val Ile Lys Ala Asn
20446     610                615                620
20449 Ile Pro Ser Arg Ile Ala Phe Ser Val Ser Ser Gln Thr Asp Ser Arg
20450 625                630                635                640
20453 Thr Ile Leu Asp Met Gly Gly Ala Glu Lys Leu Leu Gly Arg Gly Asp
20454             645                650                655
20457 Met Leu Phe Leu Pro Val Gly Ala Asn Lys Pro Leu Arg Val Gln Gly
20458         660                665                670
20461 Ala Phe Leu Ser Asp Glu Glu Val Glu Lys Val Val Asp His Val Ile
20462         675                680                685
20465 Ser Gln Gln Lys Ala Gln Tyr Gln Glu Glu Met Ile Pro Glu Glu Thr
20466     690                695                700
20469 Gln Glu Thr Val Ser Glu Val Thr Asp Asp Leu Tyr Asp Glu Ala Val
20470 705                710                715                720
20473 Ala Leu Val Val Ser Met Gln Thr Ala Ser Val Ser Met Leu Gln Arg
20474             725                730                735
20477 Arg Phe Arg Ile Gly Tyr Thr Arg Ala Ala Arg Leu Ile Asp Ala Met
20478         740                745                750
20481 Glu Glu Arg Gly Ile Val Gly Pro Tyr Glu Gly Ser Lys Pro Arg Glu
20482         755                760                765
20485 Val Leu Leu Ser Lys Glu Gln Tyr Glu Glu Leu Ser Ser
20486      770                775                780
E--> 20492 (360)
```

VERIFICATION SUMMARY   DATE: 10/16/2004
PATENT APPLICATION: **US/10/510,408**   TIME: 11:49:09

Input Set : **N:\FATIMA\10510408.txt**
Output Set: **N:\CRF4\10162004\J510408.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:20492 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:191